

Name: \_\_\_\_\_

**p1106: Solve by factoring (v10)**

1. Solve the equation

$$x^2 - x - 42 = 0$$

2. Solve the equation

$$x^2 - 10x + 16 = 0$$

3. Solve the equation

$$6x^2 + 10x + 20 = 5x^2 - x + 2$$

4. Solve the equation

$$9x^2 + 13x + 31 = 8x^2 + x - 1$$

5. Solve the equation

$$7x^2 + 7x - 76 = 6x^2 + 8x - 4$$

6. Solve the equation

$$11x^2 - 58x + 15 = 0$$

7. Solve the equation

$$7x^2 - 58x - 45 = 0$$

8. Solve the equation

$$6x^2 + 4x - 27 = x^2 - 9x + 1$$

9. Solve the equation

$$8x^2 - 30x - 82 = 3x^2 + 6x - 1$$

10. Solve the equation

$$13x^2 + 40x - 49 = 2x^2 - 7x - 9$$